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ABSTRACT

The purpose of this project was to survey the National Bureau of Standards library holdings of pre-1900 works on metrology and from these, to assemble a special collection of historically important documents. The 265 imprints selected for the collection are listed in this report. Each entry includes the main author, title, imprint, and collation data. The collection is important historically beacuse the presence of many books are basic to the origin, development, and adoption of the international system of weights and measures both in the United States and abroad, and because of the comprehensiveness of the collection. (Author/DS)

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FOUNDATIONS OF METROLOGY:

Important Early Works on Weights and Measures in the Library of the National Bureau of Standards.

Prepared by:

Janet R. Terner
Historian of Science

September 29, 1980

SE 038 002

(Performed pursuant to NBS purchase order NB80NAAD9009, as amended Sept. 5, 1980)

NOTE

The documents in this collection may be consulted at the National Bureau of Standards Library; they are not available through interlibrary loan. Prior arrangements should be made by telephone or mail with the Chief, Information Services, National Bureau of Standards Library, Administration Bldg. E120, Washington, D.C. 20234, 301/921-3451.

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FOUNDATIONS OF METROLOGY:

A special collection of important, early works

on weights and measures in the Library of the

National Bureau of Standards.

Because of its long existence, its close connection to the basic scientific disciplines, and its special mission to the nation, the National Bureau of Standards has acquired a rich holding of American and foreign publications that are fundamental to the origin and development of metrology, the science of weights and measures.

The purpose of this project was to survey the Library's holdings of pre-1900 works on metrology and from these, to assemble a special collection of historically important documents. This special collection will be transferred on loan to the Office of the Director and will be entered as a special collection into the OCLC machine readable data base.

The 265 imprints selected for the collection are listed in this report. They are arranged by Library of Congress classification (call) number which gives a rational subject order to the assemblage. Each entry includes the main author, title, imprint and collation data. An alphabetical author index is provided.

The collection is important historically because of the presence of many books basic to the origin, development, and adoption of the international system of weights and measures both in the United States and abroad, and it is important because of the comprehensiveness of the collection. The collection is highlighted by several very old and rare works such as Georg Agricola's Libri quinque de mensuris et ponderibus (1533), Johann Kepler's Nova stereometria dolorium vinariorum (1615), and Gabriel Mouton's Observationes diametrorum solis and lunis, 1670. The oldest work in the collection is Guillaume Bude's Summaire ou Epitome du liure de Asse, published in 1529.

This special collection in the history of metrology should prove a rich resource to scholars now and in the future.

Respectfully submitted,

Janet R. Terner, M.S.
Historian of Science
September 29, 1980

OBSERVATIONES
DIAMETRORUM
SOLIS ET LUNÆ
APPARENTIUM,

Meridianarúmque aliquot altitudinum Solis & paucarum fixarum.

Cum tabulâ declinationum Solis conſtructa ad ſingula graduum Ecliptícæ ſcrupula prima.

Ex quo ejus, & aliarum tabularum conſtructione ſeu perfectione, quædam numerorum proprietates non inutiliter deteguntur.

HUIC ADJECTA EST

BREVIS DISSERTATIO

De dierum naturalium inæqualitate; & de temporis æquatione.

UNA CUM NOVA MENSURARUM GEOMETRICARUM IDEA:

Novâque methodo eas communicandi, & conſervandi in poſterùm abſque alteratione.

Auctore GABRIELE MOUTON *Lugdunenſi, Sacerdote in Eccleſia Collegiata S. Pauli.*

STANDARDS LIBRARY

LUGDUNI,

Ex Typographiâ MATTHÆI LIBERAL, in viâ Mercatoriâ, ſub Signo Boni ductus.

M. DC. LXX.

Cum Approbatione & permiſſu Superiorum.

DESPLACES.

Gabriel Mouton, Vicar of St. Paul's Church, Lyons, is credited with first proposing in the above work, a comprehensive decimal system, that was a precursor of today's metric system of weights and measures.

CJ233
.B8
1866

Brandis, Johannes, 1830-1873.

Das münz-, mass- und gewichtswesen in Vorderasien bis auf Alexander der Grossen. Berlin, W. Hertz, 1866.
xii, 622, 2 p. 24 cm.
"Verzeichniss der quellen": p. ix -x.
Contents.--Das metrische system der Babylonier.--Geschichte des babylonischen gewichts.--Das asiatische münzwesen bis auf Alexander den Grossen.--Münzverzeichniss.--Anhang: Gold- und silbermünzen von Thrakien und Makedonien. Kupfermünzen des persischen reiches. Kupfermünzen von Thrakien und Makedonien. Kupfermünzen von Aegina und Athen. Kupfermünzen von Rhegion und Sicilien.

DT63
.S67
1884

Smyth, C[harles] Piazzi, 1819-1900.

New measures of the Great pyramid, by a new measurer. Described and tested by C. Piazzi Smyth. London, R. Banks, 1884.
xii, 13 -127 p. diagrs. 19 cm.
"Extended and corrected from the review in the 'Banner of Israel,' for November and December 1883."

F1403
.B95
1891

International bureau of the American republics, Washington, D.C.

Money, weights, and measures of the American republics... Washington, Gov't. print. off., 1891.
12 p. 23 cm. (Its Bulletin no. 4, April 1891)

HC12
.R65
1872

Robertson, Eben William, 1815-1874.

Historical essays in connexion with the land, the church, etc. Edinburgh, Edmonston and Douglas, 1872.
1 p. l., lxix, 273 p. 23 cm.
Contents.--Preface.--Introduction.--Standards of the past in weight and currency.--The year and the indiction.--The land.--Chapters of English history before the conquest.--Rome.

HC31
.A8
1754

Arbuthnot, John, 1667-1735.

Tables of ancient coins, weights, and measures, explained and exemplified in several dissertations. The 2d ed. To which is added, an appendix containing observations on Dr. Arbuthnot's dissertations on coins, weights, and measures. By Benjamin Langwith. London, Printed for D. Browne, 1754.
327 p. 34 engr. tab. on 18 pl. (1 fold.) 28 cm.
Dedicatory poem to the king by the author's son, Charles Arbuthnot.

HF5712 Klimpert, Richard, 1847-
.K6
1896 Lexikon der Münzen, Masse, Gewichte Zählarten und Zeitgrössen aller Länder der Erde. Bearb. und hrsg. von Richard Klimpert. 2., vielfach verb. und verm. aufl. Berlin, C. Regenhardt, 1896.
viii, 429, 1 p. 20 cm.

HF5712 Martin, C.F.
.M379
1809 Le régulateur universel des poids et mesures: invention nouvelle, pour apprendre, seul et sans maitre... Avignon, A. Berenguier et Mdm. Guyot, 1809.
487 p. 22 cm.
A computing card for use with the tables is inserted in pocket.

HF5714 Browne, W. A.
.B7
1899 The merchant's handbook of money, weights and measures, with their British equivalents. 5th ed. London: Edward Stanford, 1899.
652 p. 19 cm.

HF5716 Symons, William.
.L3S8
1807 The practical gager; or, The young gager's assistant: containing all the necessary rules for gaging and fixing the utensils of victuallers, common brewers, distillers, and maltsters. New ed., carefully rev. throughout with very material additions and improvements. London, F. Wingrave, in the Strand, 1807.
384 p. illus., diagrs. 18 cm.

HF5716 Schreiner, Henry.
.L4S4
1850 The American gauger, simplified and complete. By Henry Schreiner and Frankn. Stewart. Philadelphia, W. S. Young, printer, 1850.
128 p. incl. tables. 20 cm.

HF5716 Cordoin, L.
.L8C6
Tarif usuel selon le système métrique pour la reduction des bois carrés et des bois en grume. 13. ed. Paris: Dunod, 1857 .
2 137, 3 p., 1 fold. leaf of plates, illus. 19 cm.

HG381 Alexander, John Henry, 1812-1867.
.A3
1855 International coinage for Great Britain and the United States: a note inscribed to the Hon. James A. Pearce. Baltimore, Printed by J. D. Toy, 1855.
iv, 20 p. fold. tab. 22 cm. 7

HG381
.G4
1854

Gibbon, J. H.

Report on the utility of an uniform system in measures, weights, fineness and decimal accounts, for the standard coinage of commercial nations. Charleston, Steam Power Press, 1854.
19 p. 23 cm.

HG459
.E8
1892

[Evans, George Greenlief]

Illustrated history of the United States mint with a complete description of American coinage, from the earliest period to the present time. The process of melting, refining, assaying, and coining gold and silver fully described: with biographical sketches of the mint officers from its foundation to the present time. To which are added a glossary of mint terms and the latest official tables of the annual products of gold and silver in the United States and foreign countries, with monetary statistics of all nations. Illustrated with phototypes, steel plate portraits and fine engravings, with numerous plates of photographic reproductions of rare American coins, with list of coins that command premiums. New rev. ed. Philadelphia, G. G. Evans, 1892.
vi, 179, [1] p. incl. illus., plates, tables, plates, ports. 22 cm.

HG481
.A2
1894

United States. Laws, statutes, etc.

...Coinage laws of the United States, 1792 to 1894, with an appendix of statistics relating to coins and currency. Prepared under the direction of the Comittee on finance, U. S. Senate. 4th ed., rev. and corr. to August 1, 1894. Washington, Government Printing Office, 1894.
xviii, 847 p. illus. 23 cm.
(53rd Congress, 2d sess., Senate. Rept. 235)
Submitted by Mr. Voorhees, and ordered printed March 5, 1894.

HG933
.A7
1870

Ansell, George Frederick, 1826-1880.

The royal mint: its working, conduct, and operations, fully and practically explained; with suggestions for its better scientific and official management. London, E. Wilson, 1870.
124 p. incl. illus., tables, plates. 29 cm.

HG3821
.H41
1740

Hayes, Richard, accountant.

The negociator's magazine: or, The most authentick account yet published of the monies, weights, and measures of the principal places of trade in the world. 7th ed. London, J. Noon, 1740.
8 p. l., 479 p. fold. tab. 21 cm.

HG3863 .T2 1874 — Tate, William 1781?-1848.

Tate's modern cambist: forming a manual of foreign exchanges. 16th ed., rewritten and enlarged; with a copious index. By G. L. M. Strauss. London, E. Wilson, 1874.
xii, 311 p. 22 cm.

J33 — United States. Congress.

American state papers. Documents, legislative and executive, of the Congress of the United States. Selected and edited under the authority of Congress. Class X. Miscellaneous. 2 v. 1st Cong. -17th Cong., April 17, 1789-March 3, 1823. Washington, Gales and Seaton, 1834.
2 v. 32 cm.
(Both volumes include important Congressional documents on weights and measures. A photostatic reproduction of these documents on weights and measures is available as QC89.U5A2 1834.)

PA91 .M8 — Nissen, Heinrich, 1839-1912.

...Griechische und römische metrologie. (In Handbuch der klassischen alterums-wissenschaft ... hrsg. von I. von Müller. München, 1886-1911. 25 cm. bd. 1 (1892): Einleitende und hilfs-disziplinen. 2. aufl. [833]-890)

PA3403 .M6 — Hultsch, Friedrich Otto, 1833-1906, ed.

Metrologicorum scriptorum reliquiae. Collegit, recensuit, partim nunc primum editit Fridericus Hultsch. Lipsiae, in aedibus B. G. Teubneri, 1864-1866.
2 v. 18 cm.
(On cover: Bibliotheca scriptorum graecorum et romanorum Teubneriana. [S.g.])
Contents:--I. Quo scriptores graeci continentur. --II. Quo scriptores romani et indices continentur.

QA101 .L4 1797 — Lee, Chauncey, 1763-1842.

The American accomptant; being a plain, practical and systematic compendium of federal arithmetic; in three parts: designed for the use of schools, and specially calculated for the commercial meridian of the United States of America. Lansingburgh, N.Y., Printed by William W. Wands, 1797.
xlii, [43]-297, [15] p. 18 cm.

QA636
.K38

Kepler, Johann, 1571-1630.

Ausszug auss der vralten messekunst Archimedis ... gestalt durch Johann Kepplern. Lintz, gedruckt durch H. Blancken, 1616.
3 113 3 p. illus. 30 cm.
Bound with his Nova stereometria dolorium vinariorum...1615.

QA636
.K38

Kepler, Johann, 1571-1630.

Nova stereometria doliorum vinariorum, in primis Austriaci, figuræ omnium aptissimæ; et usus in eo virgæ cubicæ compendiosissimus et plane singularis. Accessit stereometriae Archimedeæ supplementum. Authore Ioanne Kepplero. Lincii, excudebat J. Plancus, sumptibus authoris, 1615.
112 p. diagrs. 30 cm.
Bound with his Ausszug auss der vralten messekunst Archimedis ... 1616.

QB41
.M93
1670

Mouton, Gabriel, 1618-1694.

Observationes diametrorum solis et lunae apparentium, meridianarumque aliquot altitudinum solis et paucarum fixarum ... huic adjecta est brevis dissertatio ... una cum nova mensurarum geometricarum idea ...Lugduni, Ex typographia M. Liberal, 1670.
6 p. l., 448 p. incl. port., diagrs. 27 cm.

QB281
.M57
1881

Merriman, Mansfield, 1848-1925.

The figure of the earth. An introduction to geodesy. New York, J. Wiley & Sons, 1881.
88 p. fold. map, diagrs. 20 cm.

QB291
.B6
1821

Biot, [Jean Baptiste] 1774-1862.

Recueil d'observations géodésiques, astronomiques et physiques, exécutées par ordre du Bureau des longitudes de France, en Espagne, en France, en Angleterre et en Écosse, pour déterminer la variation de la pesanteur et des degres terrestres sur le prolongement du méridien de Paris, faisant suite au troisième volume de la Base du système métrique; rédigé par MM. Biot et Arago. Paris, Courcier, 1821.
1 p. l., xxx, 588 p. 2 fold. pl., tables. 27 x 21 cm.

QB291
.M48

Méchain, [Pierre François André] 1744-1805.

Base du système métrique décimal, ou, Mesure de l'arc du méridien compris entre les parallèles de Dunkerque et Barcelone, exécutée en 1792 et années suivantes, par MM. Méchain et Delambre. Rédigée par M. Delambre ... Suite des Mémoires de l'Institut. Paris, Baudouin, 1806-10.
3 v. diagr. 28 cm.
To accompany 3d ser. of "Académie des sciences, Paris. Mémoires." cf. Lasteyrie.

QB294
.G4
1894

Geodetic conference, Washington, 1894.

Proceedings... Washington, Government Printing Office, 1894.
1 p. l., 223-424 p. illus., fold. maps, diagrs. 23 cm.
(Appendix no. 9 - Report for 1893 Coast and Geodetic Survey.)

QB341
.P9
1894

Poynting, John Henry, 1852-1914.

The mean density of the earth. An essay to which the Adams prize was adjudged in 1893 in the University of Cambridge. London, C. Griffin & Company, limited, 1894.
xix, 156 p. incl. illus., tab. 11 diagr. on 7 fold. pl. 22 cm.
Bibliography: p. ix-xix.
"The first part consists of an introductory discussion of the problem and an account of the experiments hitherto made on the subject. The second part contains an account of my own experiment which has already appeared in the Philosophical transactions of the Royal Society for 1891."--Pref.

QB501
.A3
1834

Airy, Sir George Biddell, 1801-1892.

Gravitation: an elementary explanation of the principal perturbations in the solar system. (Written for the Penny cyclopeedia, and now previously published for the use of students in the University of Cambridge. London, C. Knight, 1834.
1 p. l., [v]-xxiii, 215, [1] p. 19 cm.

QC61
.B86
1878

Broch, O[le] J[akob] 1818-1889.

Tables for use in the verification of standards of weights and measures. Translated under the directions of the Standards department, Board of trade. London, Printed by G. E. Eyre & W. Spottiswoode, for H. M. Stationery off., 1878.
17, 1 p. tables. 25 cm.

QC81
.A65

American metrological society

Proceedings. Volume 1-5. From its foundation to the close of its fifteenth year. 1873-1888. Printed for the Society, New York, 1889.
2 v. 23 cm.

QC81
.C4
1547

Ceneau, Robert, 1483-1560.

De vera mensurarum poderúmque ratione opus de integro instauratú Reuerédo in Christo patre Roberto Cènali, diuina clementia Episcopo Abrincensi, Theologo doctore ordine origine Parisiensi. Parisiis, Apud Ionannem Roigny, sub-Basilisco & Iacobum, 1547.
202 leaves in various foliations 1 fold. chart, tables. 16 cm.
"Liber ia tertio auctus & recognitab authore. Accedunt & paràlipomena quaeda."

QC81
.G78
1873

Great Britain. Standards Dept.

International metric commission at Paris. A report to the Board of Trade upon the formation and proceedings of the International metric commission at Paris, 1869-1872. By the warden of the standards, one of the delegates from the United Kingdom. Presented to both houses of Parliament by command of Her Majesty. London, Eyre and Spottiswoode for H. M. Stationery off., 1873.
48 p. illus. 26 cm.

QC81
.G78
1875

Great Britain. Standards Dept.

International metric commission at Paris. Papers relating to the meeting and proceedings of the Diplomatic conference at Paris, for making provisions, by means of a convention, for effecting the objects of the International metric commission. (Continued from no. 714 of 1873). Presented to both houses of Parliament by command of Her Majesty. London, Printed by G. E. Eyre and W. Spottiswoode, 1875.
48 p. 26 cm. (Parliament. Papers by command C. 1331)
Includes the report of the Board of trade, by H. W. Chisholm, warden of the standards, representatives of Great Britain at the Conference.
(Bound with QC81.G78 1873)

QC81
.I2
1870

Commission internationale du mètre, Paris, 1870.

...Session de 1870. Procès-verbaux des séances. Paris, J. Baudry, 1871.
2 p. l., 51 p. 23 cm.

QC81
.I2
1872

Commission internationale du mètre, Paris, 1872.

...Réunions générales de 1872. Procès-verbaux. Paris, Imprimerie nationale, 1872.
229 p., 1 l. 23 cm.

QC81
.I21

Commission internationale du mètre. Comité permanent.

Procès-verbaux des séances de 1872 et 1873 [-1874] Paris, Imprimerie nationale, 1873-74.
2 v. in 1. 23 cm.
Contains also: Section française. Exposé de la situation des travaux au 1er octobre 1873. 60 p.

QC81 .I22 Commission internationale du mètre.

Organisation, 1er septembre 1869. Rapport a S. M. l'Empereur... Paris, Imprimerie nationale, 1877.
8 p. 21 cm.

QC81 .I24 Commission internationale du mètre. Section français.

...Réunions des membres français. ...Proces-verbaux des séances. Paris, 1870-1878.
8 v.
Title varies slightly.

QC81 .I25 1874 Commission internationale du mètre. Section française.

...Exposé de la situation des travaux au 1er octobre 1874. Paris, Imprimerie nationale, 1874.
154 p. 23 cm.

QC81 .I25 1877 Commission internationale du mètre. Section française.

...Exposé de la situation des travaux au 1er septembre 1877. Paris, Imprimerie nationale, 1877.
25 p. 23 cm.

QC81 .I267 —— Comité international des poids et mesures.

Indications du Comité international des poids et mesures pour le transport et la conservation des prototypes nationaux. Paris, Gauthier-Villars et fils, 187?
5 p. 15 cm.

QC81 .I27 Commission internationale du mètre. Comité des recherches preparatoires.

...Prôces-verbaux des séances du Comité des recherches preparatoires. Avril 1872. Paris, Imprimerie Vieville et Capiomont, 1872.
2 p. l., 90 p. 21 cm.

QC81 .I5 Comité international des poids et mesures.

... Premier[-seizième] rapport aux gouvernements signataires de la Convention du mètre sur l'exercise de 1876-1877-[1892] Paris, Gauthier-Villars, 1877-93.
16 v. bound in 4 volumes. 33 cm.

QC81
.I52

Comité international des poids et mesures.

...Rapport spécial financial aux gouvernements des hautes parties contractantes... Paris, Impr. Gauthier-Villars, 1888-1911.
v. 32-30 cm.

QC81
.I54
1892

Comité international des poids et mesures

Circulaire et règlement concernant la vérification des étalons au Bureau international des poids et mesures. Paris, Gauthier-Villars et fils, 1892.
15 p. illus. 22 cm.

QC81
.I74
1868

International conference on weights, measures, and coins, Paris, 1867.

Report of the Internation conference on weights, measures, and coins, held in Paris, June 1867; communicated to Lord Stanley by Professor Leone Levi; and Report of the Master of the Mint and Mr. Rivers Wilson on the international monetary conference held in Paris, June 1867. Presented to the House of Lords by Command of Her Majesty 1868. London, Harrison and sons, 1868.
32 p., 33-75 p. 34 cm.

QC81
.I84A4
1876

American association for the advancement of science.

Report of the committee on weights, measures and coinage. Buffalo meeting, August 1876. Salem, Salem Press, 1876.
17-31 p. 24 cm.
"From the Proceedings of the association."

QC81
.P3
1875

Paris. Conférence diplomatique du mètre, 1875.

Documents diplomatiques de la Conférence du mètre. Paris, Imprimerie nationale, 1875.
149 p., 1 l. 2 cm.
On cover: Ministère des affaires étrangères. Conférence diplomatique du mètre ...

QC81
.U5
1878

United States. President, 1877-1881 (Hayes)

International bureau of weights and measures; a message from the President transmitting a communication from the Secretary of State...in relation to the convention for establishing an International bureau of weights and measures. Referred to the Committee on coinage, weights, and measures and ordered to be printed June 11, 1878.
86 p. (U. S. Cong. 45th, 2d sess. House. Ex. Doc. 96)

QC82
.A4
1850

Alexander, John Henry, 1812-1867.

Universal dictionary of weights and measures, ancient and modern, reduced to the standards of the United States of America. Baltimore, W. Minifie and Co.
viii, 158 p. 24 cm.
"Weight and measure systems in the principal countries of the world": p.[127]-158.

QC82
.C5
1891

Clark, Latimer, 1822-1898.

A dictionary of metric and other useful measures. London, New York, E. & F. N. Spon, 1891.
2 p. l., iii-v, [1], [7]-113, [1] p. 19 cm.

QC83
.C3
1869

Cavalli, Hercule

Tables de comparison des mesures, poids et monnaies, anciens et modernes des principales villes commerciales et des plus importantes nations du monde également comparées avec le système métrique moderne. Marseille, Imprimerie Commercial J. Doucet, 1869.
166 p. 23 cm.

QC83
.C5
1877

Chisholm, Henry William, b. 1809.

On the science of weighing and measuring and standards of measure and weight. London, Macmillan and co., 1877.
xvi, 192 p. incl. front., illus., tables, diagrs. 19 cm.

QC83
.F8B4
1838

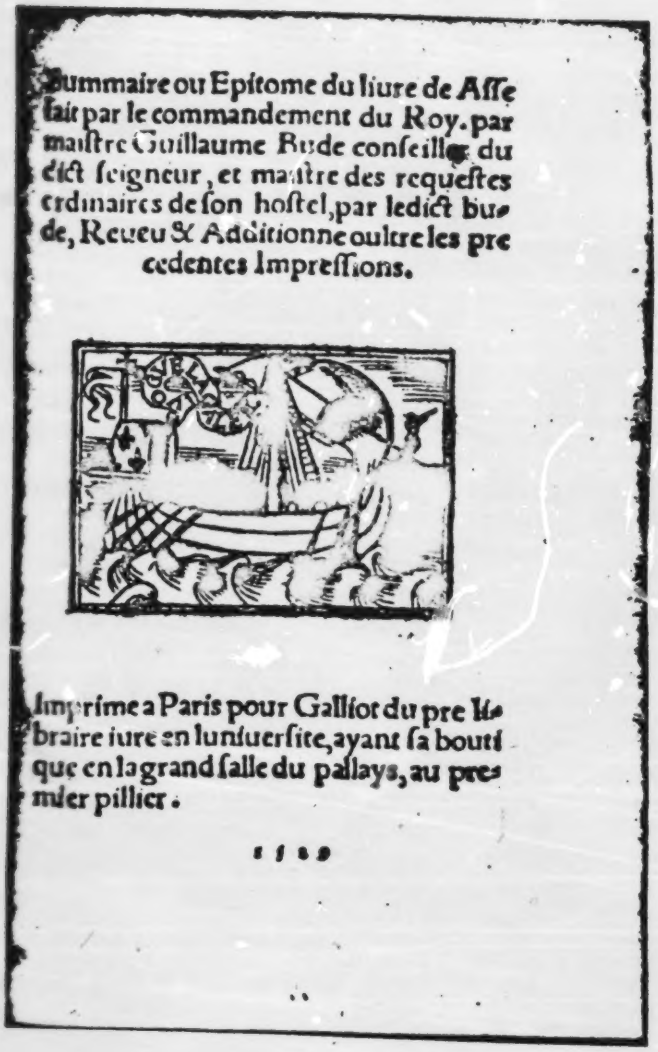
Best, C.

Métrologie de le Haute-Loire, précédés du système métrique avec des principes pour la conversion de toute espèce de mesures. Au Puy, Pierre Pasquet, 1838.
172 p. illus., fold. map, tables. 21 cm.

QC83
.P3
1780

Paucton, Alexis Jean Pierre, 1732-1798.

Métrologie, ou Traité des mésures, poids et monnaies des anciens peuples et des modernes. Paris, Veuve Desaint, 1780.
xv, 955, 6 p. tables. 26 cm.
Dedication signed: Paucton.



Summaire ou Epitome du liure de Asse fait par le commandement du Roy. par maistre Guillaume Bude conseiller du dict seigneur, et maistre des requestes ordinaires de son hostel, par ledict bude, Reueu & Additionne oultre les precedentes Impressions.

Imprime a Paris pour Galliot du pre libraire iure en lunsuersite, ayant sa bouti que en la grand salle du pallays, au premier pillier.

1529

The oldest book in the metrology collection; Guillaume Bude's Summaire ou Epitome du liure de Asse....Paris, 1529.

QC84 .A5 1533

Agricola, Georg, 1494-1555.

Libri quinque de mensuris & ponderibus in quibus plaeraque a Bvdaeo & portio parum animaduersa diligenter excutiuntur. Opus nunc primum in lucem aedition. Parisiis, Excudebat C. Wechelus, 1533.

261 p., 1 l., 5 p.

Includes index.

With this is bound: Alciati, Andreas. And. Alciati libellvs, de ponderibus et mensuris, 1530, and Bude, Guillaume. Summaire ou Epitome du liure de Asse.., 1529.

QC84 .A5 1533

Alciati, Andrea, 1492-1550.

And. Alciati libellvs, De Ponderibvs et mensvris. Item. Budaei quaedem de eadem re, adhuc non uisa. Item. Philippi Melanchthonis, de ijsdem ad Germanorum usum, sententia. Alciati quoq; et Philippi Melanchthonis, in laudem iuris civilis, orationes duae elegantissimae. Haganoae apud Iohan. Sec., Anno M. D. XXX. Mense Martio. (March 1530)

97 p.

Bound with: Agricola, Georg. Libri quinque de mensuris & ponderibus, 1533, and: Budé, Guillaume. Summaire ou Epitome du liure de Asse, 1529.

QC84 .A5 1533

Budé, Guillaume, 1468-1540.

Summaire ou Epitome du liure de Asse fait par le commandement du Roy. par maistre Guillaume Budé conseiller du dict seigneur, et maistre des requestes ordinaires de son hostel, par ledict bude, Reueu & Additionne oultre les precedentes impressiones. Imprime à Paris pour Galliot du pre libraire iure en luniuersité, ayant sa boutique en la grand salle du pallays, au premier pillier, 1529.

lxxix numb. l., 11 16 cm.

Title vignette: Device of Galliot Du Pre; on verso of last leaf, device of Pierre Vidoue, the printer.

Colophon: Imprime a Paris par maistre Pierre Vidoue, pour hõneste personne Galliot du pre libraire iure.ce III iour de ianuler mil ciq cens vingt & neuf.

QC84 .B5 1688

Bernard, Edward, 1638-1697.

Edvardi Bernardi De mensuris et ponderibus antiquis libri tres. Editio altera purior et duplo locupletior. Oxoniae, e Theatre Seldonio, 1688.

261, 83 p. 4 pl. 3 fold. 25 cm.

QC84
.B7

Bortolotti, Pietro

Del primitivo cubito egizio e de' suci geometrici rapporti colle altre unità di misura e di peso egiziane e straniere, Modena, Societa tipografica, 1878[-83]
2 p. l.,[3]-469 p. front., illus., fold. tab. 32 cm.

QC84
.C45
1876

Chabas, François Joseph, 1817-1882.

Recherches sur les poids, mesures et monnaies des anciens Egyptiens. Paris, Imprimerie nationale, 1876.
2 p. l., 46 p. 28 cm.

(In Académie des inscriptions et belles-lettres; Paris. Mémoires présentés par divers savants. Paris, 1844- 1 ser., t. 9, 1 ptie. (1878) p.[65]-110)

QC84
.G73
1745

Greaves, John, 1602-1652.

The origin and antiquity of our English weights and measures discovered. 2d ed. London, Printed for W. Payne and W. Bathoe, 1745.
4 p. l., 92 p. incl. tables. illus. 17 cm.

QC84
.H83
1882

Hultsch, Friedrich Otto, 1833-1906.

Griechische und römische metrologie. 2. bearbeitung. Berlin, Weidmannsche buchhandlung, 1882.
xiv p., 1 l., 745, [1] p. 23 cm.

QC84
.L4
1865

Lepsius, Carl Richard

Die alt-aegyptische elle und ihre eintheilung. Mit vier tafeln. Berlin, Königl. Akademie der wissenschaften, 1865.
1 p. l., 64 p. 5 fold. plates. 26 cm.
(Abh. der Königl. Akaemie der wissenschaften zu Berlin, 1865)

QC84
.L649M4
1854

Martin, Thomas Henri, 1813-1884.

Examen d'un mémoire posthume de M. Letronne et de ces deux questions: 1. La circonférence du globe terrestre avait-elle été mesurées exactement avant le temps historiques. 2. Les erreurs et les contradictions de la géographie mathematique des anciens s'expliquent-elles par la diversité des stades et des milles? Paris, A. Leloux, 1854.
1 p. l., 138 p. 25 cm.
"Extrait de la revue archéologique, xi année."

QC84 .R6 1789

Romé de l'Isle, Jean Baptiste Louis de, 1736-1790.

Métrologie, ou Tables pour servir à l'intelligence des poids et mesures des anciens, et principalement à déterminer la valeur des monnaies greques et romaines, d'apfès leur rapport avec les poids, les mesures et le numéraire actuel de la France. Paris, L'Imprimerie de Monsieur, 1789.

xxxxv [3] 214 p., 1 l. illus., tables. 26 x 21 cm.

pp. 133-140 are folded.

QC84 .V4 1859

Vazquez Queipo, Vicente, 1804-1893.

Essai sur les systèmes métriques et monétaires des anciens peuples depuis les premiers temps historiques jusqu'à la fin du Khalifat d'Orient. Paris, Dalmont et Dunod, 1859.

3 v. in 4. fold. pl., tables. 24 cm.

QC84 .W3 1610

Waser, Kasper, 1565-1625.

De antiqvis mensvris Hebraeorvm; quarum S. Biblia meminerunt, libri III. Caspari Waseri Tigvrini. Interspersæ sunt mensuræ AEgyptiorum, Arabum, Syrorum, Persarum, Graecorum & Romanorum; quæ cum ipsæ per se explicantur, tum per has Hebraicæ. Opusculum theologis, philologis, cumprimis, antiquitatum studiosis utilissimum, adeoque necessarium. Heidelbergae, typis Gotthardi Voegelini, 1610.

8 p.l., 116, 12 p. 20 x 16 cm.

QC85 .G5 1827

Girod, Joseph.

Dictionnaire spécial et classique des monnaies, poids, mesures, divisions du temps, chez les Grecs, les Romains, les Juifs, et les Égyptiens, suivi d'un tableau comparatif des monnaies, poids, etc., des anciens avec notre système décimal. Ouvrage destiné aux jeunes gens de nos écoles. Paris, Librairie classique de Rusand, 1827.

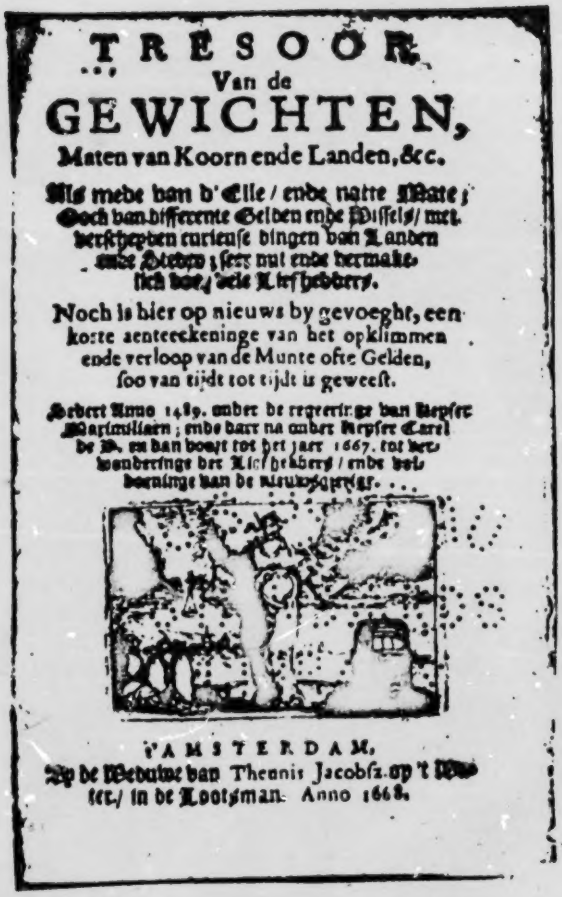
xv, 91 p. 21 cm.

QC85 .M3 1897

Mauss, C

La pile de Charlemagne et le sâ du prophète; le pied d'Égypte et la ratl de Baghdad; les poids français comparés aux poids anglais; le ratl wâfy du musée egyptien du Louvre. Paris, E. Leroux, 1897.

3 p. l., 79 p. photo., illus. 28 cm.



TRESOOR
Van de
GEWICHTEN,
Maten van Koorn ende Landen, &c.

Als mede van d'Elle / ende natte Mate; Ooch van differente Gelden ende Wissels / met verscheyden curieuse dingen van Landen ende Steden; seer nut ende dienstelick voor alle Liefhebbers.

Noch is hier op nieuws by gevoeght, een korte aenteeckeninge van het opklimmen ende verloop van de Munte ofte Gelden, soo van tijdt tot tijdt is geweest.

Sedert Anno 1489. onder de regeeringe van Keyser Maximiliaen; ende dan na onder Keyser Carel de V. en dan voort tot het jaer 1667. tot verwonderinge der Liefhebbers / ende verbeteringe van de misrekeninge.

TAMSTERDAM,
Op de Weduwe van Theunis Jacobsz. op 't Water / in de Lootsman. Anno 1668.

This 1668 Dutch book on weights and measures is the smallest book in the collection.

QC86
.H3
1888

Harkness, William, 1837-1903.

On the progress of science as exemplified in the art of weighing and measuring. Washington, Judd & Detweiler, 1888.
48 p.

QC86
.V4
18o8

Veneziani, Guiseppe.

Tavole di confronto delle misure paacentine colle misure del nuovo sistema mevrico con appendici indicanti i rapporti della misure di molte citta e di varie nazioni colle misure metriche aacolate da G. V. Piacenza, Tipografia di G. Tedeschi, 1868.
404 p. incl. tables.

QC86
.V5
1844

Vibert, François Christophe

Traité pratique de la réduction des mónnaies, changes étrangers, poids, mesures. Paris, Imprimerie de Bureau, 1844.
VIII, 159 p. 26 cm.

QC87
.T7
1668

Tresoor van de gewichten, maten van koorn en landen, als mede van d'elle/ende natte mate; oock van differente gelden ende wissels verscheyden curieuse dingen van landen ende Steden... Amsterdam, By de wedume van Theunis Jacobsz, 1668.
3 p. l., 350 p. 14 cm.

QC88
.A22
1821

United States. Dept. of State.

Report upon weights and measures, by John Quincy Adams, secretary of state of the United States. Prepared in obedience to a resolution of the Senate of the third March, 1817. Washington, Gales & Seaton. 1821.
245 p. 3 fold. tab. 24 cm.
Printed also as Senate document 119 and House document 109, 16th Congress, 2d session, under titles beginning Report of the Secretary of State. upon weights and measures.
Papers in the appendix (p. 137-241) include tables of weights and measures as used in the United States, and laws of the several states, 1734-1819. Also contains report of Frederick Rudolph Hassler on comparisons of English and French measures, p. 153-170)

QC88 .A6 1832
Altès, François
Traité comparatif des monnaies, poids et mesures, changes, banques et fonds publics entre la France, l'Espagne et l'Angleterre. Marseille, J. Barile et Boulouch, 1832.
4 p.l., 360 p. 41 23 cm.

QC88 .B4
Berthold, Herbert
Münzen, masse und gewichte, alte und neue, deutche und auslandische ... neu bearbeitet von dr. W. Gerbing. Leipsig, Hachmeister & Thal n.d.
43 p. 17 cm.
(Iehrmeister bucherei, no. 239)

QC88 .C6 1875
Clarke, Frank Wigglesworth, 1847-1931, comp.
Weights, measures, and money, of all nations. New York, D. Appleton & company, 1875.
117 p. 19 cm.

QC88 .E4 1880
Egleston, Thomas, 1832-1900.
Tables of weights, measures, coins, etc., of the United States and England with their equivalents in the metric system. Boston, 1880.
60 p. 17 cm.

QC88 .E9 1899
Eusebio, Ludovico.
Compendio di metrologia universale (monete, pesi, misure moderne) e vocabolario metrologico (monete, pesi, misure antiche e moderne). Torino, Unione Tipografico-editrice, 1899.
79 p. illus. 25 cm.

QC88 .I7 1896
Irureta Goyena, Ramon.
Sistema metrico decimal de pesas y medidas. Antiguo sistema de pesas, medidas y monedas de Filipinas y las mas usadas en Inglaterra, China, Francia, Japon, Alemania y otros paises, con sus equivalencias. Exposicion al alcance de los ninos. 2d ed. Manila, Tip. "A. del pais", 1896.
72 p. 17 cm.

QC88 .J2 1882
Jackson, Lowis D'A[guillar]
Modern metrology; a manual of the metrical units and systems of the present century, with an appendix containing a proposed English system. London, C. Lockwood and Co., 1882.
xx, 449 p. front., tables. 21 cm.

QC88 .K4 1823
Kelly, P[atrick] 1756-1842.
Le cambiste universel; ou Traité complet des changes, monnaies, poids et mesures. Paris, J. P. Aillaud, Bossange Frères; imprimerie de Rignoux, 1823.
2 v. 27 x 21 cm.

QC88 .L5 1801
[Lesparat, Jean François] fl. 1800.
Métrologies constitutionnelle et primitive, comparées entre elles et avec la métrologie d'ordonnances. Paris, H. J. Jansen, an X (1801)
2 v. 26 cm.

QC88 .M3 1884
Malarce, Augustin Chaurand de, 1828-
...Monnaies (métalliques et fiduciaires), poids et mesures des divers États du monde et leur rapport exact avec les monnaies, poids et mesures de France. Paris, Firmin Didot et Cie, 1884
84 p. 22 cm.
"Extrait de l'Annuaire du Commerce."

QC88 .N4
Nelkenbrecher, Johann Christian, d. 1760.
J. C. Nelkenbrecher's Taschenbuch für Kaufleute. 20. Aufl. Berlin, Georg Reimer, 1877-90. (v. 1, 1890)
2 v. 19 cm.

QC88 .O48 1885
Oldberg, Oscar, 1846-1913.
A manual of weights and measures. Including principles of metrology; the weights and measures now in use; weight and volume, and their reciprocal relations; weighing and measuring; balances (scales) and weights; measures of capacity; specific weight and specific volume, etc. with rules and tables. 2d ed., rev. Chicago, C. J. Johnson, 1887.
1 p. l., iii p., 1 l, 238 p. 20 cm.

QC88 .P15 1816
Palaiseau, J F G.
Métrologie universelle, ancienne et moderne. Bordeaux, chez Lavigne jeune, 1816.
xi, 1 472 p. pl. 28 cm.

QC88 .P34 1852
Paris. Conservatoire national des arts et metiers.
Rapport sur les poids et mesures metriques envoyes au governement des Etats-Unis d'Amerique par M. Alexander Vattemare. Paris, Lith. P. Dupont 1852?
52 p. 33 cm.

QC88
.P66
1891

Pionchon, Joseph Eugène Napoleon, 1859-

Théorie des mesures. Introduction à l'étude des systèmes de mesure usitées en physique. Paris, Gauthier-Villars et fils, 1891.
2 p. l., 252 p. 24 cm.

QC88
.S88
1802

Swinden, Jan Hendrik van, 1746-1823.

Verhandeling over volmaakte maaten en gewigten. Amsterdam, P. den Hengst, 1802.
2 v. illus., 2 fold. plates, 1 fold. table. 22 cm.

QC88
.W5
1872

Wild, Heinrich, 1833-1902.

... Études métrologiques. St. Petersbourg, 1872.
1 p.l., 26 p. 32 cm.
(Mémoires de l'Académie imperiale des sciences de St. Petersbourg VII. serie, tome XVIII, no. 8)
Volume of pamphlets.

QC89
.A9A42
1872

Austria. Normal-eichungskommission

Instruktion für die aichämter der im Reichsrathe vertretenen königgreiche und länder der Osterreichisch-ungarischen monarchie. In ausführung des art. XX. der mass- und gewichtsordnung vom 19. december 1872 ... erlassen von der K. K. Normal-Aichungs-Kommission am 19. december 1872. Wien, L. W, Seidel und Sohn, 1872.
2 p. l., 98, xvi p. illus. diagrs. 22 cm.
At head of title: Amtliche ausgabe.

QC89
.A9A43
1873

Austria. Normal-eichungskommission

Aichordnung für die im Reichsrathe vertretenen königgreiche und länder der Osterreichisch-ungarischen monarchie in ausführung der der mass- und gewichtsordnung vom 23. Juli 1871, erlassen von der K. K. Normal-aichungs-commission am 19. dezember 1872. Mit drei tafeln abbidungen und einem anhange enthaltend die mass- und gewichtsordnung vom Juli 1871. Wien, L. W. Seidel und Sohn, 1873.
1 p. l., 60 p. 1 l. 3 fold. pl. 23 cm.
At head of title: Amtliche ausgabe.

QC89
.A9A44

Austria, Normal-Eichungs-Kommission.

Miscellaneous pamphlets.
2 v.

QC89
.C2A5

Canada: Laws, statutes, etc.

An act respecting weights and measures. (Assented to 23rd May, 1873)
16 p. 23 cm.
Cover-title.

QC89
.C2A5
1887

Canada. Department of inland revenue.

Weights and measures act, consolidated orders in council, regulations and instructions to inspectors and their assistants. 1887. Ottawa, MacLean, Roger & Co., 1887.
81 p. illus., pl. 25 cm.
"This supercedes and cancels all former issues of these instructions."

QC89
.C92
1888

Cuba. Laws, statutes, etc.

Reglamento para la ejecucion de la ley de pesas y medidas de 19 de julio de 1849, en las islas de Cuba y Puerto Rico, mandada plantear en esta provincia desde lo de Enero de 1888, por circular del gobierno general fecha 7 de dicembre de 1887. Puerto-Rico, Meltz, impresor de gobierno, 1888.
44, 4 p. 2 tab. (1. fold.) 22 cm.

QC89
.E3M3
1872

Mahmoud Bey (al-Falaki, Mahmūd Hamdi, 1815-1885)

Le système métrique actuel d'Egypte, comparé au système français, les nilomètres tant anciens que modernes et les antique coudées de l'Egypte. Copenhague, Bianco-Luno, par F. S. Muhle, 1872.
16 p. 23 cm.

QC89
.F5

Finland. Justeringskommissionen.
Berättelse öfver
Berättelse öfver komparationen af Justeringskommissionens hufvudlikare för längd med Finska statens urtyp för metern. Af A. F. Sundell. ...Rapport sur la comparaison du metre-etalon de la Commission des poids et mesures avec le metre prototype en platine iridie du Grande-Duche de Finlande. Helsingfors, Kejserliga senatens tryckeri, 1895.
49 p. illus. 27 cm.

QC89
.F5N4
1893

Neovius, Arvid, 1861-1916.

...Tafeln zum gebrauch bei stereometrischen wägungen. Helsingforsiæ , ex Officina typographica Societatis litterariæ fennicae, 1893.
28 p. incl. tables. 30 x 24 cm. (Finska vetenskaps-societeten, Helsingfors, Acta Societatis scientiarum fennica. t. xix, nº 16)

QC89 .F51 1891 — Finland. Justeringskommissionen.

Berättelse öfver komparationen af Justeringskommissionens hufvudlikare för vigt med Finska statens urtyp för kilogrammet. Af A. F. Sundell... Rapport sur la comparison du kilogramme-étalon de la Commission des poids et mesures avec le kilogramme prototype en platine iridie du Grand-Duchy de Finlande. Helsingfors, Kejserliga senatenstryckeri, 1891.
2 p. l., 37 p. plates, diagrs. 27 cm.

QC89 .F8A2 1790-1825 — France. Laws, statutes, etc.

Lois et reglemens (!) sur l'établissement du système des poids et mesures depuis 1790 à 1825. Laws and régulations relatif (sic) to the french system of weights and measures from 1790 to 1825.
1 v. (various pagings) illus. 31 cm.
Title page hand-written.
"to the Treasury Department of the United States."

QC89 .F8A22 1897 — France. Ministère du Commerce, de l'Industrie des Postes et des Télégraphes.

Poids et mesures. Legislation française. Vérification des poids et mesures. Paris, Imprimerie nationale, 1897.
67 p. 24 cm.

QC89 .F8A222 — France. Ministère du commerce, de l'industrie, des postes et des télégraphes.

...Rapport...sur...la vérification des poids et mesures, en France pendant l'année 1892-1900. Paris, Imprimerie des Journaux officiels, 1893-1902.
9 pamphlets in 1 v. illus., tables. 32 cm.
Extrait du Journal officiel. From 1901 these reports were published in Bulletin des poids et mesures.

QC89 .F8A26 1795 — France. Agence temporaire des poids et mesures.

L'Agence temporaire des poids et mesures, aux citoyens rédacteurs de la Feuille du cultivateur, en reponse a des objections contre la nomenclature des mesures nouvelles, inserées dans le no. 38 de ce journal. À Paris, De l'Imprimerie de la république, Thermidor, an III [1795]
20 p. 22 cm.

QC89 .F8A28 1795 — France. Commissaires chargés de la détermination des mesures républicaines.

Vocabulaire des mesures républicaines, contenant l'indication de leurs valeurs et de leurs principaux usages, en conformite de la loi du 18 Germinal, an 3e de la Republique. [Paris, Imprimerie de la république, an III, 1795]
7 p. 22 cm.

QC89
.F8A28
1795

France. Commissaires chargés de la détermination des mesures républicaines.

Rapport sur la vérification du mètre qui doit servir d'étalon pour la fabrication des mesures republicaines; par les Commissaires chargés de la détermination de ces mesures. Imprimé par ordre du Comité d'instruction publique. Paris, Imprimerie de la république, an III [1795]
15 p. 22 cm.
(Bound with item above)

QC89
.F8A3
1794

France. Commission temporaire des poids & mesures républicaines.

Instruction sur les mesures déduites de la grandeur de la terre, uniformes pour toute la République, et sur les calculs relatifs à leur division décimale; par le Commission temporaire des poids & mesures republicaines en exécution des décrets de la Convention nationale. Éd. originale. Paris, Imprimerie nationale exécutive du Louvre, an II de la République [1795?]
xxxii, 224, [2] p. incl. XII tab. fold pl. 21 cm.
By R[ene] J[ust] Haüy.

QC89
.F8A42
1794

France. Commission temporaire des poids & mesures républicaines.

Instruction abrégée sur les mesures déduites de la grandeur de la terre, uniformes pour toute la République, et sur les calculs relatifs à leur division decimale... Ed. originale. Paris, Imprimerie nationale exécutive du Louvre, an IIe de la République [1794?]
xiv, 147, 28 p. 3 pl. 22 cm.

QC89
.F8A45
1795

France. Laws, statutes, etc.

...Loi relatives aux poids et mesures du 18 germinal [et Loi portant nomination des membres de l'Agence temporaire des poids et mesures. Au Fort-d'Hercule ci-devant Monaco, Imprimerie de Straforelli et compagnie, 1795]
9 p. 21 cm.

QC89
.F8A46

France. Commission des poids et mesures.

...Adressé de la Commission des poids et mesures, à la Convention nationale. Imprimée par ordre de la Convention nationale. Paris, Imprimerie nationale, 179?
6 p. 22 cm.
At head of title: Convention nationale.

QC89
.F8A46
1801

France. Ministere de l'intérieur.

Instruction sur les nouvelles mesures, publiée par ordre du Ministre de l'interieur, en exécution de l'arrêté des consuls du 13 brumaire an 9. À Paris, Imprimerie de la république, an IX [1801]
82 p. fold. tab. 20 cm.

QC89
.F8A48
1839

France. Service des poids et mesures.

Receuil officiel des ordonnances et instructions publiées sur la fabrication et la vérification des poids et mesures, en exécution de la loi du 4 juillet 1837, avec un atlas de 14 planches... Paris, Paul Dupont et Cie, 1839.
256 p. 21 cm.

QC89
.F8A6
1795

Albarade

Notice sur les nouvelles mesures républicaines ... suivie d'une méthode théorique et pratique pour le mesure du plein et du vide des vaisseaux, vinaires de toutes grandeurs et capacité, par des procédés prompts et faciles. Imprimée sur l'invitation du Bureau d'Instruction publique. Bordeau, An 3ème de la République [1795]
96 p. 20 x 27 cm.

QC89
.F8B3
1806

Bazaine

Cours de stéréométrie appliquée au jaugeage assujéti au système métrique... Paris, Firmin Didot, 1806.
xxviii, 190 p. illus., 2 fold. plates, tables. 22 cm.

QC89
.F8B72
1799

Brisson, Mathurin Jacques, 1723-1806.

Instruction sur les nouveau poids et mesures, décrétes le 18 germinal de l'an III^{e} (7 avril 1795, vieux style). Paris, [1799]
32 p. 20 cm.

QC89
.F8C6
1875

Collin, Ed

Poids et mesures. Manuel des verificateurs et des aspirants à cet emploi. Paris, Paul Dupont, 1875.
276 p. tables. 19 cm.

QC89
.F8P42
1778

Dez,

Mémoire sur la théorie du Jaugeage. Par M. Dez, Professeur Royal de mathématiques de l'École royale Militaire. Paris, 1773.
11 p.
Extrait du Mémoires de l'Academie des sciences, tome VII, 1773, p. 383-394.

QC89 .F8P42 1778 — Dez,

Mémoire instructif sur une nouvelle Jauge. Paris, 1775. 15 p.
Extrait du Lettres-Patentes, 22 Dec., 1775.

QC89 .F8P42 1778 — Pascal, August Joseph Etienne.

Traité pratique de jaugeage... 2. ed. Paris, Carilian-Goeury, Guichard aine, 1821.
iii, 31, 48 p. illus., 1 fold. plate, tables. 21 cm.
(Bound with: Pezenas, P. La théorie et la pratique du jaugeage...1778)

QC89 .F8P42 1778 — Pezenas, P., 1692-1776.

La théorie et la pratique du jaugeage des tonneaux des navires & de leurs segments. 2e ed., augmentée de deux mémoires sur la nouvelle jauge, par M. Dez. Avignon, Jean Aubert, 1778.
157, 28, viii p. illus., 3 fold. diagrs., tables.
(With this is bound: Pascal, August Joseph Etienne. Traité pratique de jaugeage. 2. ed. Paris, 1821.

QC89 .F8P6 — Poids et mesures: (miscellany, 1790-1909)
42 pieces in 4 v.: illus.,(2 fold. leaves of plates, fold. tables) 22-26 cm.
Miscellaneous collection of French historical documents on weights and measures.

QC89 .F8S3 1799 — Saintin.

Discours prononcé par le citoyen Saintin, professeur près l'administration du poids public du département de la Seine à l'ouverture du cours sur les poids et mesures, le 11 germinal, an 7 de la republique. Paris, De l'imprimerie d' A. Bailleul, an VII [1799]
31 p. 21 cm.

QC89 .F8T3 1839 — Nouhen, Achille.

...Nouveau manuel-comptes-faits; ou, Barême général des poids et mesures mis à la portée de tout le monde. Paris, Roret, 1840.
1 v. 16 cm.
Bound with Tarbé des Sablons, Sébastien André. Nouveau petit manuel des poids et mesures...Paris, 1839)

QC89
.F8T3
1839

Tarbé des Sablons, Sébastien André.

Nouveau petit manuel des poids et mesures, à l'usage des ouvriers et des écoles. Extrait du manuel complet des poids et mesures et de la vérification approuvé par M. le ministre du commerce. Nouv. ed. Paris, Roret, 1839.
72 p. 16 cm. (Manuels Roret)

With this is bound:Nouhen, Achille. Nouveau manuel-comptes-faits; ou, Baréme général des poids et mesures...Paris, 1840.

QC89
.F8W5
1882

Wolf, Charles Joseph Etienne, 1827-1918.

Recherches historiques sur les étalons de poids et mesures de l observatoire et les appareils qui ont servi à les construire: extrait des Annales de l'Observatoire de Paris, Mémoires, t. 17. Paris, 1882.
78 p. 23 x 31 cm.

QC89
.G3A43

Germany. Normal-Eichungs-Kommission.

[Miscellaneous publications on weights and measures.]
Berlin, 1871-1919.
13 pamphlets bound in 1 v. 23 cm.

QC89
.G3B55
1839

Bessel, Friedrich Wilhelm, 1784-1846.

Darstellung der Untersuchungen und Maassregeln welche, in den Jahren 1835 bis 1838, durch die Einheit des preussischen Langenmaasses veranlaast worden sind von F. W. Bessel. Bekannt gemacht durch das Ministerium der Finanzen und des Handels...mit 7 Kupfertafeln. Berlin, Druckerei der K. Akademie der Wissenschaften, 1839.
iv, 148 p. 27 cm.

QC89
.G3G4
1885

Germany. Normal-Eichungs-Kommission.

Instruktion vom 1. Mai 1885. (Nebst analgen A*D und 2 beilagen). Approx. 500 p. 21 cm.

QC89
.G3K6
1871

Kletke, G. M.

Maass- und gewichts-ordnung vom 17. August 1868 nebst der eich-ordnung vom 16 juli 1869. Mit sammtlichen, bis incl. August 1871 ergangenen, diese gesetze ergänzenden und erläuternden bestimmungen... Aus dem amtlichen materialien des Reichkanzler-Amts, der Finanz-Ministeriums, des Ministeriums für handel und gewerbe und der Normal-eichungs-kommission...
2. verm. aufl. Berlin, Verlag Gustav Hempel, 1871.
viii, 323 p. 23 cm.

QC89
.G3N4
1837 Neisch, Wilhelm

Ausfuhrliche Tabellen für den Quartenhalt der Bottiche und Fässer sowie der darin befindlichen Flüssigkeit, nebst deutlicher Gebrauchserführung und Anweisung, solche korperlichen Räume leicht und richtig zu vermessen, auch die Dimensionen ansufertigender Bottiche von gegebenen Quarterhalt zu bestimmen. Berlin, Gustav Eichler, 1837.
vi, 122 p. illus., fold. diagr., tables. 18 cm.

QC89
.G3N6 Germany. Norddeutscher bund.

Sammlung von gesetzen und erlassen betreffend das maass- und gewichtswesen des norddeutschen bundes. 1868-1870. Berlin, W. Moeser, 1868-1870.
xvi, various paging. illus. 22 cm.

QC89
.G3P3
1832 Pacht, C. P. C.

Der Visermeister oder fassliche Anweisung beim Ausmessen und Visiren der Vollen und nicht vollen Fasser auch Angabe zum Verfertigen der Cylinder- und Cubic-Stabe. Hamburg, 1832.
40 p. illus., tables. 19 cm.
"Gedruckt bei Joh. Aug. Meissner, E. Hochedl. u. Hochw. Raths Buchdrucker."

QC89
.G3S37
1895 Scheel, Karl Friedrich Franz Christian, 1866-1936.

Bestimmung der Änderung der Schwere mit der Höhe auf dem Grundstück der Physikalisch-Technischen Reichsanstalt/ ausgeführt von K. Scheel und H. Diesselhorst. (1895)
(185)-200 p. 33 cm.
Reprint from the Wissenschaftlichen Abhandlungen der Physikalisch-Technischen Reichsanstalt, Band 2.

QC89
.G7A6
1840 Airy, George Biddell, 1801-1892.

Extracts of papers, printed and manuscript, laid before the commission appointed to consider the steps to be taken for restoration of the standards of weight and measure and the subjects connected therewith. Printed by order of the Lords Commissioners of the Treasury. London, 1840.
Approx. 155 p., various pagings.
(Consists of numerous brief extracts giving the opinions of many experts upon various issues connected with the construction and use of standards of weight and measure, and the pros and cons of various systems of such standards.)

QC89
.G7C77 Chrichton, Frederic A.

...Metric system with English equivalents... 10th ed. East Ham, London, The Chrichton Publishing Co., 189?
80 p. 25 cm.

QC89
.G7K38
1817

Keith, George Skene, 1752-1823.

Different methods of establishing an uniformity of weights and measures stated and compared. London, Printed for Longman, Hurst, Rees, Orme and Brown, etc., 1817.
2 p. l., 32 p. 21 cm.

QC89
.G8A2

Great Britain. Standards Dept.

Annual report of the warden of the standards, 1st -12th... London, Printed by Eyre and Spottiswoode, 1867-1878.
v. 1, 1st -7th reports, 1866-1873
v. 2, 8th -12th reports, 1873-1878.

QC89
.G8A22

Great Britain. Standards Commission.

Reports.... 1st-5th. London, Eyre and Spottiswoode, 1868-1870.
v.

QC89
.G8A23

Great Britain. Standards Dept.

Papers delivered by the Warden of the Standards... London, Eyre and Spottiswoode, 1868-1873.
1 v. 34 cm.
A few missing.

QC89
.G8A3
1877

Great Britain. Standards Dept.

An account of the comparisons of the three parliamentary copies of the imperial standards deposited at the Royal mint, with the Royal society, and in the Royal observatory, Greenwich, respectively, with the imperial standard yard and the imperial standard pound, and with each other. In pursuance of s. 2 of the Standards act, 1866, 29 & 30 Vict. c. 82. By the warden of the standards. London, Eyre and Spottiswoode, 1877.
27 p. 25 cm.

QC89
.G8A32

Great Britain. Standards department.

[Miscellaneous papers relating to weights and measures] 1869-1870.
various paging 31 cm.

QC89
.G8A35
1896

Great Britain. Laws, statutes, etc.

Weights and measures act, 1878. [London, Eyre and Spottiswoode, 1896]
43 p. 27 cm.

QC89
.G8A37
1895

Great Britain. Parliament. House of Commons. Select committee on weights and measures.

Report from the select committee on weights and measures; together with the proceedings of the committee, minutes of evidence, appendix, and index. Ordered by the House of Commons to be printed, 1 July 1895. London, Eyre and Spottiswoode, 1895.
235 p. 33 cm.
(Includes Kater, Henry, An account of experiments...1818)

QC89
.G8A37
1895

Kater, Henry

An account of experiments for determining the length of the pendulum vibrating seconds in the latitude of London... 1818.
41 p. 23 cm. (In Great Britain. Parliament. House of Commons. Select committee on weights and measures. Report)

QC89
.G8A44
1890

Great Britain. Board of Trade.

Model regulations with respect to inspectors and the inspection of weights, measures and weighing and measuring instruments. London, Eyre and Spottiswoode, 1890.
64 p. illus. 24 cm.

QC89
.G8C5
1897

Chaney, Henry James, 1842-1906.

Our weights and measures; a practical treatise on the standard weights and measures in use in the British Empire. With some account of the metric system. London, Eyre and Spottiswoode, 1897.
2 p. l., viii, 168 p. front., illus., plates, fold. diagr.

QC89
.G8G78
1758-1759

Great Britain. Parliament, 1758-1759. House of Commons. Committee appointed to inquire into the original standards of weights and measures.

Report from the Committee appointed to inquire into the original standards of weights and measures in this kingdom, and to consider the laws relating thereto, 1758-1759.
p. 411-451, 455-463. 41 cm.

QC89
.G8K3
1816

Kelly, Patrick, 1756-1842.

Metrology; or, An exposition of weights and measures, chiefly those of Great Britain and France: comprising tables of comparison, and views of various standards; with an account of laws and local customs, parliamentary reports, & other important documents. London, Printed for the author, 1816.
xvi, 117, 20 p. 22 cm.
Appendix: Report of the select committee of the House of commons on weights and measures--1814--with outlines of the new bill: 20 p. at end.)

QC89
.C8R65
1891

Roberts, James.

Handbook of weights and measures; being the weights and measures act, 1878 and 1889, statutory provisions relating to the sale or checking of various commodities by weight or measure, together with the principles of weighing and measuring. London, Knight and Co., 1891.
xii, 236 p. 19 cm.

QC89
.I8E8
1767

Esposizione copiosissima, e sicura, di tutte le misure, e pesi comuni in Europa, in Affrica, in Asia, e in Anerica, con il loro ragguaglio alle misure, e pesi piu usuali. Pisa, Nelle Stamperia di Agostino Pizzorno, 1767.
xi, 100, 195 p. 15 - 22 cm.
Two volumes in one.

QC89
.I8T3
1850

Tavole di confronto delle misure parmigiane col sistema metrico. Parma, Tip. Carmignani, 1850.
95 p. 21 cm.

QC89
.M6A2
1862

Mexico. Ministerio de fomento, colonizacion e industria.

Sistema metrico-decimal. Tablas que espresan la relacion entre los valores de las antiguas medidas mexicanas y las del nuevo sistema legal, formadas por orden del C. ministro de justica y fomento por la seccion cientifica del mismo ministerio. Mexico, Impr. de V. Garcia Torres, 1862.
55 p. 2 pl., tables. 28 cm.

QC89
.S7A5
1895

Spain. Laws, statutes, etc.

Ley de pesas y medidas de 8 de julio de 1892 y reglemento para su ejecucion. Madrid, Imprenta de la Direccion general del Instituto geografico y estadistico, 1895.
64 p. 19 cm.

QC89
.S71
1886

Spain. Instituto geografico y estadistico.

...Equivalencias entre las pesas y medidas usadas antiguamente en las diversas provincias de Espana y las legales del sistema metrico-decimal. Publicadas de real orden. Madrid, Imprenta de la Direccion general del Instituto geografico y estadistico, 1886.
57 p. 21 cm.

QC89
.S9A46
1839

Switzerland.

Tabellen zur Vergleichung der neuen Schweizer-Masse und Gewichte mit den Massen und Gewichten der Nachbar-Staaten. Bearbeitet in Folge Beschlusses der Konferenz der concordirenden kantone vom 5. Februar, 1836. Bern, C. Pätzer, 1839.
72 p. 14 x 22 cm.

QC89
.U5A22
1879

United States. Congress. House. Committee on coinage, weights and measures.

Report of the Committee on coinage, weights and measures, on the adoption of the metric system of weights and measures. January 7, 1879. Washington, Govt. Print. Off., 1879.
234 p. 23 cm. (45th Congress, 3d sess. House. Report no. 53)
(With this are bound: 45th Cong. 3d sess. House. Report no. 136, An international coin...; no. 137, A new decimal system of weights and measures; no. 64, Goloid metric coinage and metric gold coinage)

QC89
.U5A32
1790

United States. Dept. of State.

Report of the secretary of state, on the subject of establishing a uniformity in the weights, measures and coins of the United States. Published by order of the House of representatives. New York, Printed by F. Childs and J. Swaine, 1790.
v, 7-49 p. 18 cm. (photostat copy)
Thomas Jefferson, secretary of state.

QC89
.U5A36
1857

United States. (National) Bureau of standards.

...Report of the secretary of the Treasury on the construction and distribution of weights and measures. Washington, A. O. P. Nicholson, 1857.
218 p. 6 fold. plates. (34th Cong., 3d sess. Senate. Ex. doc. 27)
By Alexander Dallas Bache, Superintendant, Office of weights and measures.
Report contains descriptions of various comparators and a yard dividing engine.

QC89
.U5A38

United States. Secretary of the Treasury.

Report...showing the amount expended and the progress made in the Coast survey, and also the weights and measures furnished the several states and custom houses and their cost. By A. D. Bache, superintendent, U. S. Coast Survey. Read and ordered to lie on the table, December 16, 1858.
287 p. (U.S. Cong. 35th. 2d sess. Senate. Ex. doc. 6, 1858)
"On progress in weights, measures, and balances (1835)-1857, inclusive," pp. 222-287.

QC89
.U5B5
1882

Birnie, Roger, d. 1851.

Conversion of metrical into United States measures, and vice versa with tables adapted to a comparison of our own with foreign guns. 1882.
19 p. (Ordnance notes. No. 192, May 15, 1882)

QC89
.U5C67 Congressional and departmental documents relating to weights and measures, the establishing of a national standardizing bureau, and the metric system. Washington, Bureau of Standards, 1830-1908
3 v. 23 cm.

QC89
.U5H3
1832a Hassler, Ferdinand Rudolph, 1770-1843.

Comparison of weights and measures of length and capacity, reported to the Senate of the United States by the Treasury department in 1832. Washington, Printed by D. Green, 1832.
iv, 122 p. 3 fold. diagr. 24 cm. (U.S. 22nd Cong., 1st sess. House. Doc. 299)

QC89
.U6A23 United States. National Bureau of Standards.

[State laws on weights and measures, 1819-1853]
3 v. 28 cm.
Separate manuscripts bound together, "originals and copies from the Library of Congress and the State Department."

QC89
.U6F8
1834 Franklin institute, Philadelphia.

Report of the managers of the Franklin institute, of the state of Pennsylvania, for the promotion of the mechanical arts, in relation to weights and measures. Presented in compliance with a resolution of the House of representatives of the state of Pennsylvania. Philadelphia, J. Harding, 1834.
82 p. 23 cm.

QC89
.U6M35 Alexander, John Henry, 1812-1867.

Report on the standards of weight and measure for the state of Maryland, and on the construction of the yard-measures. Baltimore, J. D. Toy, 1845?
213 p. 23 cm.

QC89
.U6P46
1833 Pennsylvania. Laws, statutes, etc.

Third report of the commissioners appointed under the resolution of March 23, 1830; relative to...the revision of the statutes relative to counties and townships and county and township officers, to weights and measures and admeasurement. Read in the House of representatives, January 4, 1833. Harrisburg, Harry Welsh, 1833.
49-59 p. 21 cm. (photostat copy)

QC89
.W5 [Weights and measures documents, 1832-1845]
1 v. various pagings. illus. 23 cm.
Miscellaneous documents relating to weights and measures.

QC91
.A5
1890

American metrological society.

[Metric chart, New York, 1890.
1 chart, 29 x 23 cm. folded.

QC91
.A48
1876

American metric bureau.

The international metric or decimal system of weights and measures. Boston, Designed and copyrighted by J. P. Putnam, 1876.
1 chart 23 x 30 folded.

QC91
.A485

American metric bureau, Boston.

The metric bulletin, v. 1- 1876-1881.
v. (Nos. 1-37, 1776-1881)
ceased publication 1881.

QC91
.B3
1872

Barnard, Frederick Augustus Porter, 1809-1889.

The metric system of weights and measures; an address delivered before the convocation of the University of the State of New York, at Albany, Aug. 1, 1871... Rev. ed. New York, Columbia College, 1872.
194 p.

QC91
.C5
1872

Chisholm, Henry William, 1809-

Mémorandum sur la construction des nouveaux étalons métriques internationaux de longeur et de poids et sur la création d'un bureau métrique international [et extrait d'une lettre de G. B. Airy avec son opinion sur ce Memorandum].
Paris, Impr. Vieville et Capiomont, 1872.
8 p. 22 cm.

QC91
.C7

Colles, George W.

The metric versus the duodecimal system ... (To be presented at the New York meeting, December, 1896, of the American Society of Mechanical Engineers. New York, 1896?
98 p. (Transactions of the Society, v. 18)

QC91
.C72

Commission des Poids et Mesures, 1793.

Signatures of the original metric committee. Also signatures of the Commission Internationale du Metre, who witnessed the original document 72 years later.
Facsimiles of documents. 4 p. 23 x 30 cm.
On cover: Signatures of metric committees, 1779-1871.

QC91
.D3
1871

Davies, Charles, 1798-1876.

The metric system, considered with reference to its introduction into the United States; embracing the reports of the Hon. John Quincy Adams, and the lecture of Sir John Herschel. New York and Chicago, A. S. Barnes and co., 1871.
327 p. 20 cm.

QC91
.D4

Decimal Association, London.

A popular explanation of the metric system of weights and measures. Drawn up for the British Chamber of Commerce in Paris by John G. Pilter. London, n.d.
1 chart 30 x 22 folded.

QC91
.D5

Dinges, Jos.

Die metrischen Masse u. Gewichte. Ent. worfen von Jos. Dinges. Freising (Bayern), Dr. F. P. Daterer, Verlagsantalt und Druckerei, n.d.
1 chart 29 x 23 folded.

QC91
.F8

France.

[Mesures republicaines]
About 300 p. 12 x 20 cm.

This is a collection of 19 pamphlets on the metric system issued officially by the French government at the time of the founding of the metric system, years 3-6 of the 1st Republic, 1794-1797.

QC91
.F8
1800

France.

[Nouvelles mesures republicaines] Paris, an 9 [1800]
various pagings. 22 cm.

Ten pamphlets on the metric system bound in 1 v. For contents, see index at end of volume. Sequel to: France. [Mesures republicaines]

QC91
.M53
1896

Mendenhall, Thomas Corwin, 1841-1924.

...The metric system. New York, D. Appleton and co., 1896.
13 p. 24 cm. (Reprinted from Appleton's popular science monthly, October, 1896.)

QC91
.M7

Morin, Arthur Jules, 1795-1880.

Notice historique sur le système métrique, sur ses dévéloppements et sur sa propagation. Paris, J. Baudry, n.d.
68 p. 21 cm.
(Extrait des Annales du Conservatoires des Arts et Métiers.)

QC91
.O5
1896

Oldberg, Oscar, 1846-1913.

Herbert Spencer vs. the metric system. 1896
20 p. 20 cm.
(Reprinted from the Bulletin of pharmacy, July, 1896)

QC91
.S62
1896

Spencer, Herbert, 1820-1903.

Against the metric system. London, Williams and Norgate, 1896.
32 p. 22 cm.

QC91
.T3
1895

Tacchini, Agostino.

La metrologia universala. Ed. II. Codice metrico internazionale. Milano, Editore-Libraio Della Real Casa, 1895.
481 p.

QC91
.T36
1813

Tarbé des Sablons, Sébastien André, 1762-1837.

Manuel pratique et élémentaire des poids et mesures, des monnaies et du calcul decimal... Nouvelle édition. Paris, Chez J. S. Merlin, libraire; Rondonneau et Derle. Impr. de Smith, 1813.
xiv, 550 p. 21 cm.

QC91
.W3
1867

Wargnier, F.

Statistique universelle du système métrique décimal pour l'uniformité des poids, mesures et monnaies, applicable à toutes les nations du monde. 1851. Metz, F. Blanc, 1867.
30 p. 21 cm.

QC92
.E5J6
1817

Jomard, E.

Mémoire sur le système métrique des anciens égyptiens, contenant des recherches sur leurs connaissances géométriques et sur les mesures des autres peuples de l'antiquité. Paris, Imprimerie royale, 1817.
307 p. illus. 40 x 26 cm.
With 10 metric tables and bibliographic footnotes.

QC92
.F5N38

Neovius, Aryid, 1861-1916.

Metriska systemet: tabellerna äro Arvid Neovius. Helsingfors, Gosta Sundmans Litografiska Ateliers, 189-?
1 chart. 29 cm.

QC93
.J2
1889

Jackson, George, A.M.

Essentials of the metric system, with full explanations of its theoretical principles, and numerous examples for practice. ...A handbook for technical schools, and for self-instruction. Boston, De Wolfe, Fiske & co., 1889.
106 p. 15 cm.

QC93
.N6
1867

Newton, Hubert Anson, 1830-1896.

The metric system of weights and measures, prepared to accompany Eaton's Common school arithmetic. Boston, Taggard & Thompson, 1867.
337-348 p. 20 cm.

QC93
.V4
1897

Vincent, J. L.

Manuel abrégé du système métrique. Comprenant entre autres, des tables de conversion des mesures métriques en mesures anglaises, et réciproquement. Montreal, Beauchemin, 1897.
156 p. diagr., tables. 19 cm.

QC94
.C9
1877

Craig, Benjamin F., 1829-1877.

Weights and mesures, according to the decimal system, with tables of conversion for commercial and scientific uses, (on a new plan). 3d ed. New York, D. Van Nostrand, 1877.
48 p. 14 cm.

QC94
.F8B4

Bousquet, Isidore.

Table de conversion des anciennes mesures en nouvelles, precédées de l'ancien et du nouveau système des mesures, des poids et des monnaies usités dans le department du Tarn. Albi, chez S. Rodière, impr.-libr., 18--?
60, 192, 31 p. 20 cm.

QC94 .F8L3 1803 — Lamy, J. F.

Manuel métrique du Département du Pas-de-Calais: contenant des tables comparatives des anciennes mesures du département avec celles qui les remplacent dans le nouveau système; des tarifs pour déterminer le prix de différentes choses, en mesures nouvelles ou en anciennes, et 25 tables générales pour celles les plus usitées en France. Arras, Chez Déprez, 1803.
viii, 264 p. 22 cm.
Imperfect copy, lacks p. 139-142.

QC94 .H54 — Hering, Carl, 1860-1926.

Tables of equivalents of units of measurement. New York, W. J. Johnston, 1888.
11 p. 18 cm.

QC94 .I8C6 1867 — Colla, Ferdinando, comp.

Tavole di confronti e di riduzione della misure lineari, di solidita, di capacita pei liquidi, per gani, e dei pesi antichi di Parma, nel nuovo sistema metrica e vice versa... Parma, Tipografia G. Rossetti, 1867.
216 p. 18 cm.

QC96 .G72 1872 — Gregory, Isaac.

Gregory's British metric system. A complete non-decimal assimilation of the British to the metric system of weights and measures, retaining their present English names... London, Cassell, Petter and Galpin... [1872]
80 p. 22 cm.

QC96 .R42 1857 — American geographical and statistical society of New York.

Report of the joint special committee of the Chamber of Commerce and the American geographical and statistical society on the extension of the decimal system to weights and measures of the United States. New York, W. C. Bryant & co., 1857.
22 p. 24 cm.

QC96 .T2 1887 — Taylor, Alfred Bower, 1824-1898.

Octonary numeration and its application to a system of weights and measures. Philadelphia? 1887.
73 p. 24 cm.
"Read before the American Philosophical Society, Oct. 21, 1887."

QC99
.T7
1884

Totten, Charles Adiel Lewis, 1851-

An important question in metrology, based upon recent and original discoveries: a challenge to "the metric system," and an earnest word with the English-speaking peoples on their ancient weights and measures. New York, J. Wiley & sons, 1884.
xxiv, 230 p. incl. front., illus., tables, diagrs. 24 cm.

QC100
.C5
1873

Chisholm, Henry William, 1809-

New subdivided standard yard and comparing apparatus for the use of local inspectors of weights and measures. London, 1873. 4 p. 23 cm.

QC100
.E8
1879

Everett, Joseph David, 1831-1904.

Units and physical constants. London, Macmillan and co., 1879.
xvi, 175 p. diagrs. 18 cm.
"Substantially a new edition of my 'Illustrations of the C.G.S. system of units', pub. in 1875, by the Physical Society of London, supplemented by an extensive collection of physical data."

QC100
.F7

France. Services des poids et mesures.

Establishment of a metrological bureau of France. (Rapport rélatif à la création d'un bureau national métrologique en France, adressé au Président de la République par le ministre de l'agriculture et du commerce, et décret y annexé.)
Paris, n.d.
12 p. 30 cm.
"Translation from the Official Journal of the French Republic, Oct. 8, 1880."

QC100
.G3

Germany. Normal-Eichungs-Kommission.

Denkschrift betreffend die Thätigkeit der kaiserlichen Normal-Aichungs-Kommission von ihrer einsetzung in Jahre 1869 bis zum Frühjahr 1882...
62 p. tables. 30 cm.

QC100
.G7T3
1898

Teddington. National Physical Laboratory.

Minutes of evidence taken before the committee appointed by the Treasury to consider the desirability of establishing a National physical laboratory; with appendices and index. London, HMSO, 1898.
113 p. 33 cm.

QC100 .G72 1841 — Great Britain. Commission for the restoration of standards.

Report of the Commissioners appointed to reconsider the steps to be taken for restoration of the standards of weight and measure. London, W. Clownes & son, 1841.
106 p.

QC100 .G73 1874 — Great Britain. Standards department.

An account of the construction and verification of standard weights and measures for the government of Canada. By the Warden of the Standards. London, Eyre and Spottiswoode, 1874.
56 p. illus. 23 cm.

QC100 .G8 1893 — Guillaume, Charles Édouard, 1861-1938.

...Unités et étalons. Paris, Gauthier-Villars et fils, 1893. 190 p. incl. tables. (Encyclopédie scientifique des aide-mémoire)
"Bibliographie": p. 179-186.

QC100 .P7 1864 — Procès-verbaux de comparaison entre les étalons prototypes du mètre et du kilogramme conservés aux Archives de l'Empire et ceux du Conservatoire impérial des Arts et Métiers.
Paris, P. A. Bourdier, 1864.
16 p. 21 cm.

QC100 .V3 1853 — Vattemare, Alexander

Letter to the Honorable Hannibal Hamlin...accompanied by an historical popular description in English and French of the metrical decimal system by Mr. William W. Mann...and reports by Mr. Silbermann... and by Mr. Durand...on the standard weights, measures and coins exchanged between the governments of France and the United States of America. Paris, P. Dupont, 1853.
91 p. 25 cm.

QC101 .B4 1896 — Benoît, Jean René, 1844-1922.

Détermination du rapport du yard au mètre. Paris, 1896.
25 p. 32 cm.
Bureau international des poids et mesures.

QC101 .B45 — Benoît, Jean René, 1844-1922.

Mesures de dilatation et comparaisons des règles métriques. Paris, Gauthier-Villars, 1882?
174, lxvii p. illus., plates, tables. 32 cm.

QC101
.B47
1889

Benoît, Jean René, 1844-1922.

...Rapport sur la construction, les comparaisons et les autres opérations ayant servi à déterminer les équations des nouveaux prototypes métriques; présenté par le Comité international des poids et mesures, rédigé par le Dr. J.-René Benoît. Paris, Gauthier-Villars et fils, 1889.
132 p. 32 x 25 cm.
At head of title: Conférence générale des poids et mesures. Septembre 1889.

QC101
.B6
1892

Bosscha, Johannes, 1831-1911.

Les équations des nouvelles copies du mètre des Archives. Leide, E. J. Brill, 1892.
75 p. 30 x 24 cm.
Extrait des Annales de l'École Polytechnique de Delft. Tome VII, p. 51-125.

QC101
.C6
1873

Clarke, Alexander Ross, 1828-1914.

Comparisons of standards, and lengths of cubits, from the Philosophical transactions of 1866 and 1873. London, 1873?
161-180, 445-469 p. tables, diagr. 30 x 23 cm.
Contents.--Abstract of the results of the comparisons of the standards of length of England, France, Belgium, Prussia, Russia, India, Australia...by Captain A. R. Clarke (1866). --Results of the comparison of the standards of length of England, Austria, Spain, United States, Cape of Good Hope, and of a second Russian standard...By Lieutenant-Colonel A. R. Clarke... With a preface and notes on the Greek and Egyptian measures of length by Sir Henry James, 1873.

QC101
.C8
1877

Comité international des poids et mesures.

Exposé du Comité international des poids et mesures au Gouvernement français sur les difficultés relatives à l'exécution de la Convention du mètre. Madrid and Neuchatêl, le 20 mars, 1877.
31 p. 22 x 27 cm.
Script.

QC101
.C87
1893

Cornu, Marie Alfred, 1841-1902.

Détermination de l'étalon provisoire international. Rapport presenté au Comité internation des poids et mesures au nom de la commission mixte. Paris, Gauthier-Villars et fils, 1893.
35, xlvi p.
(Extrait des Travaux et mémoires du Bureau international des poids et mesures. Tome 10, 1893)

QC101
.F5
1882

Fischer, A.

Versuche den Gang der Temperaturen des Platin-Irridium- und des Messing-Stables am Brunner'schen Bassis-Apparat, sowie den Temperatur-Unterscheid beider Stäbe selbst durch Thermo-Elemente zu bestimmen. Kiel, 1882.
8 p. 23 x 29 cm.

QC101
.P8P4

Pernet, J.

Comparaisons des mètres dans l'air à la température ambiante. Paris, Gauthier-Villars, 1884?
169, cvi p. illus., tables. 32 cm.

QC101
.G7R6
1880

Rogers, William Augustus, 1832-1898.

On the present state of the question of standards of length...presented April 14, 1880.
273-312 p. 23 cm.
Reprinted from the Proceedings of the American Academy of Arts and Sciences. V. 15, 1879-1880.

QC101
.G72
1876

Great Britain. Standards department.

Construction and verification of a standard measure of 100 feet and a standard chain of 66 feet, with subdivisions, exhibited as public standards of lengths on the north side of Trafalgar Square; together with mural standards of the Imperial yard and its subdivisions. London, Eyre and Spottiswoode, 1876.
II p. 23 cm.

QC101
.G73

Great Britain. Standards department.

Memorandum on a comparison of the United States standard yard (No. II) with the Imperial standard yard (No. I) and its copies. London, Eyre and Spottiswoode, 1878-79.
6 p. tables. 23 cm.

QC101
.C8
1866

Great Britain. Ordnance survey.

Comparisons of the standards of length of England, France, Belgium, Prussia, Russia, India, Australia, made at the Ordnance survey office, Southampton, by Captain A. R. Clarke... under the direction of Colonel Sir Henry James... Published by order of the secretary of state for war. London, Eyre and Spottiswoode, 1866.
viii, 287 p. x pl. (9 double, 1 fold.) tables, diagrs. 31 x 26 cm.
"Appendix. Figure of the earth." p. 281-287.

QC101
.G8
1893

Guillaume, Charles Édouard, 1861-1938.

Rapport sur l'étude des métaux propres à la construction des règles étalons. Paris, Gauthier-Villars et fils, 1893.
8 p. 23 cm.
"Extrait des Procès-verbaux du Comité international des poids et mesures, pour 1892."

QC101
.H62
1863

Herschel, Sir John Frederick William, bart., 1792-1871.

The yard, the pendulum, and the meter, considered in reference to the choice of a standard of length. London, Longman, Green, Longman, Roberts and Green, 1863.
24 p. 22 cm.
"Written for the Leeds astronomical society."

QC101
.K3
1830

Kater, Henry.

... On the error in standards of linear measure, arising from the thickness of the bar on which they are traced. London, 1830.
359-381 p. diagrs. 28 x 22 cm.
From the Philosophical transactions of the Royal Society of London.

QC101
.M3
1876

Matthey, M. G.

Règle en platine iridié de l'Association géodésique internationale. Paris, 1876.
5 p. 23 x 30 cm.

QC101
.M62
1894

Michelson, Albert Abraham, 1862-1931.

Détermination expérimentale de la valeur du mètre en longueurs d'ondes lumineuses... Mémoire traduit de l'anglais par M. J.-René Benoît... Paris, Gauthier-Villars et fils, 1894.
237 p. illus., II pl., diagrs. 32 x 25 cm.
"Extrait du tome XI des Travaux et memoires du Bureau international des poids et mesures."

QC101
.N5
1886

Netherlands (Kindom, 1815-) Commission chargée de recevoir et de transporter en Hollande les nouveaux étalons du gouvernement des Pays-Bas.

Relations des expériences qui ont servi à la construction de deux metrès étalons en platine iridié, comparés directement avec le mètre des archives par J. Bosscha. Rapport presenté au ministre des travaux publics, du commerce et de l'industrie. Leide, E. J. Brill, 1886.
201 p. diagrs., 2 fold. tab. 30 cm.

QC101
.P91
1887

Pratt & Whitney company, Hartford, Conn.

Standards of length and their practical application. A resume covering the methods employed for the production of standard gauges, to insure uniformity and interchangeability in every department of manufactures, including the reports of Professor Wm. A. Rogers; the committee on standards and gauges, American society of mechanical engineers; the committee of the Master car-builders' association; and including also the report of the special committee appointed by the Franklin institute, April 1864. Edited by George M. Bond. Hartford, The Pratt and Whitney co., 1887.
180 p. front., illus., tables, diagrs. 24 cm.

QC101
.S3
1876

Sainte-Claire Deville, Henri Étienne, 1818-1881.

Observations à propos de deux articles publiés par M. Tresca dan le procès-verbaux de la Commission française (Commission internationale du metre); sur les opérations et les analyses exécutées dans le laboratoire de l'École Normale..
Paris, 1876
4 p. 21 cm.

QC102
.A5
1769

Anville, Jean Baptiste Bourguignon d', 1697-1782.

Traité des mesures itineraires anciennes et modernes. Paris, Imprimerie royale, 1769.
vi, 195 p. 21 cm.

QC102
.B7
1889

Broch, Ole Jakob, 1818-1889.

Comparaisons des règles dans le comparateur Brunner. Paris, Gauthier-Villars, 1889.
146, xxxiv p. illus., tables. 24 x 32 cm.
"Extrait du Tome VII des Travaux et mémoires du Bureau international des poids et mesures."

QC102
.G7H65
1893

Howard, James E.

...The Army Gun Factory comparator. Manufactured at the Watertown Arsenal, Massachusetts. Washington, 1893.
10 p. illus., 6 pl. (3 fold.) 26 cm.

QC102
.P4
1877

Petrie, Sir William Matthew Flinders, 1853-1942.

Inductive metrology; or, The recovery of ancient measures from the monuments. London, Hargrove Saunders, 1877.
xiii, 153 p. 2 fold. tab., diagrs. 22 cm.

QC105
.A9
1870

Austria. Handels-ministerium.

Uber das verhältniss des bergkrystall-kilogrammes, welches bei einführung des metrischen maasses und gewichtes das kaiserlichen archive zu Paris, und über das verhältniss der in der Osterreichisch-ungarischen monarchie gegenwärtig gesetzlich bestehenden gewichte zum das K. K. Handels-ministerium. Wien, Druck der K. K. Hof- und staatsdruckerei, 1870.
iv, 5-136 p. 30 cm.

QC105
.C6
1885

Broch, Ole Jakob, 1818-1889.

Rapport de la Commission mixte chargée de la comparaison du nouveau prototype du kilogramme avec le kilogramme des Archives de France. Pesées exécutées au Laboratoire de chimie de l'École normale superieure et à l'Observatoire de Paris. 1885.
27, xvi p. tables. 24 x 32 cm.
"Extrait des Tome IV, Travaux et mémoires du Bureau international des poids et mesures, 1885)

QC105
.M3
1883

Marek, W. J.

Pesées exécutées au Bureau international des poids et mesures, du 1er octobre 1881 au 15 janvier 1883. 1884.
142, cxvi p. illus., tables, 2 pl. 24 x 32 cm.
"Extrait du Tome III, Travaux et mémoires du Bureau international des poids et mesures, 1884.)

QC105
.M6

Airy, Sir George Biddell, 1801-1892.

Account of the construction of the new national standard of length, and of its principal copies. From the Philosophical transactions.--Part III. for 1857. London, Printed by R. Taylor and W. Francis, 1858.
82 p. diagrs. 30 cm.
Bound with Miller, William H. On the construction of the new imperial standard pounds. London, 1857.

QC105
.M6

Miller, William Hallowes, 1801-1880.

On the construction of the new imperial standard pounds; on the comparison of the new standards with the kilogramme des archives; and on the construction of secondary standard pounds, a ten-pounds weight, a kilogramme, and a series of troy ounce weights. From the Philosophical transactions (of the Royal society of London). Part III. for 1856. London, Printed by Tatlor and Francis, 1857.
iv, 753-946 p. illus. 30 x 24 cm.
Bound with Airy, G. B. Account of the construction of the new national standard of length..1858.

QC105 .R4 1861 — Regnault, Henri Victor, 1810-1878,

Rapport sur les comparaisons qui ont été faites à Paris en 1859 et 1860 de plusiers kilogrammes en platine et en laiton avec le kilogramme prototype en platin des Archives impériales. Études sur les diverses circonstances qui peuvent influer sur l'exactitude des pesées. Par MM. Regnault, Morin et Brix. Pub. par ordre du gouvernement prussien. Berlin, 1861.
85 p. fold. pl. 29 cm.

QC107 .A4 1892 — Airy, Wilfred.

On weighing machines. With an abstract of the discussion upon the paper... London, Institution of Civil Engineers, 1892.
64 p. illus., diagrs.
From the minutes of the Proceedings of the Institution of Civil Engineers, v. 108, 1891-92, pt. 2.

QC107 .G3B7 1887 — Brauer, Ernst Adolf, 1851-1934.

Die Konstruktion der Waage nach wissenschaftlichen Grundsätzen und nach Massgabe ihres Spezial-Zweckes, zum Gebrauch für Waagenfabrikanten sowie für technische Lehranstalten... 2 Aufl. Weimar, B. F. Voigt, 1887.
191 p. 23 cm. (Neuer Schauplatz der Künste und Handwerke ...Bd. 230)

QC107 .G3B7 Atlas — ---- Atlas. Weimar, B. F. Voigt, n.d.
4, 20 double plates. 29 cm.

QC107 .P6 1867 — Place, Francis.

Theorie und Konstruktion der Neigungswaage (Zeigerwaage) mit besonderer Rücksicht auf möglichste Grösse und vollkommene Gleicheit der Skalentheile. Ein Handbuch für Waagenbauer. Weimar, Bernhard Friedrich Voigt, 1867.
viii, 76 p. illus., diagrs., tables. 22 cm.

QC253 .L25 1779 — Lambert, Johann Heinrich, 1728-1777.

Johann Heinrich Lamberts ... Pyrometrie; oder, Vom maasse des feuers und der warme. Mit acht kupfertafeln. Berlin, Bey Haude und Spener, 1779.
xxii, 360 p. VIII fold. pl. 25 x 21 cm.
"Vorrede" signed: Wenceslaus Johann Gustav Karsten.
"Ueber Lamberts verdienste um die theoretische philosophe, von Johann August Eberhard": p. xii-xx.

QC271
.G8
1889

Guillaume, Charles Édouard, 1861-1938.

Traité pratique de la thermométrie de précision. Paris, Gauthier-Villars et fils, 1889.
xv, 336 p. incl. illus., tables, diagrs., IV. fold. pl. 26 cm.

QC271
.G82
1886

Guillaume, Charles Édouard, 1861-1938.

Études thermométriques. Paris, Gauthier-Villars et fils, 1886.
92 p. cxxxvi-clxii p. Tables. 32 cm.
Extrait de Travaux et mémoires du Bureau international des poids et mesures, tome V, 1886.

QC273
.C4
1888

Chappuis, Pierre Eugène, 1855-1916.

Études sur la thermométre à gaz et comparaison des thermomètres à mercure avec le thermométre à gaz. Paris, Gauthier-Villars et fils, 1888. 125 p. illus. 32 cm.
Extrait du Travaux et mémoires du Bureau international des poids et mesures, tome VI, 1888.

QC281
.B4

Benoît, Jean René, 1844-1922.

Études sur l'appareil de M. Fizeau pour la mesure des dilatations appartenant au Bureau international des poids et mesures. 1881.
74 p. illus. 32 cm.
Extrait du Travaux et mémoires du Bureau international des poids et mesures, tome I, 1881.

QC281
.B42

Benoît, Jean René, 1844-1922.

Nouvelles études et mesures de dilatations par le methode de M. Fizeau. 1888.
196 p. illus., tables. 32 cm.
Extrait des Travaux et mémoires du Bureau international des poids et memoires, tome VI, 1888.

QC407
.M6

Michelson, Albert Abraham, 1852-1931.

Experimental determination of the velocity of light: made at the U. S. Naval Academy, Annapolis.

QC495
.L91
1893

Lovibond, Joseph Williams, 1833-1918.

Measurement of light and colour sensations; a new method of investigating the phenomena of light and colour by means of the selective absorption in coloured glass, graded into scales of equivalent colour value. London, G. Gill, 1893?
132 p. illus., plates (part. col.)

QC535
.A63

Anthony, William Arnold, 1835-1908.

Lecture notes on the theory of electrical measurements. Prepared for the third-year classes of the Cooper Union night school of science. 1st ed. 1st thousand. New York, J. Wiley & sons, 1901, 1898.
vi, 90 p.

QC535
.P7
1894

Price, William Arthur.

A treatise on the measurement of electrical resistances. Oxford, Clarendon press, 1894.
xvi, 199 p. illus., plates, tables, diagrs. 23 cm.

QC536
.I6
1882

International conference on electrical units and standards. Paris, 1882.

...Conférence internationale pour la détermination des unités électriques. 16 octobre-26 octobre 1882. Procès-verbaux. Paris, Imprimerie nationale, 1882.
163 p. 32 cm.

QC536
.I6
1884

International conference on electrical units and standards. Paris, 1884.

...Conférence internationale pour la détermination des unités électriques. Deuxième session. Paris, Imprimerie nationale, 1884.
121 p. 32 cm.

QC537
.B4
1885

Benoît, Jean René, 1844-1922.

Construction des étalons prototypes de résistance électrique du ministère des postes et des telegraphes. Paris, Gauthier-Villars et fils, 1885.
80 p. 28 cm.

QC537
.N2
1895

National academy of sciences, Washington, D.C.

Standards for electrical measure, February 20, 1895. Printed for the Academy. Washington, Judd & Detweiler, 1895.
9 p. illus. 24 cm.

QC820
.N71
1886

Nipher, Francis Eugene, 1847-

Theory of magnetic measurements, with an appendix on the method of least squares. New York, D. Van Nostrand, 1886.
94 p. front.(port.) illus., diagrs. 19 cm.

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QC88.A22 1821
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QC89.G7A6 1840
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American metrological society
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